

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2221A-9-36DC-RC-Y (15-XL-9RGBWN-C, CT)

报告编号:

电压(V): 36.3000

测试编号: 20210223007

电流(A): 0.9980

光源规格型号: XL

功率(W): 36.2000

每个光源光通量(lm)

功率因数: 1.0360

光源数量: 9

镇流器型号:

发光面长度(mm): 156

发光面宽度(mm): 156

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 2206.51

灯具效能(lm/w): 60.95

中心光强(cd): 18194.490

最大光强(cd): 18677.930

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=15.6

[C90/270]Total=15.4

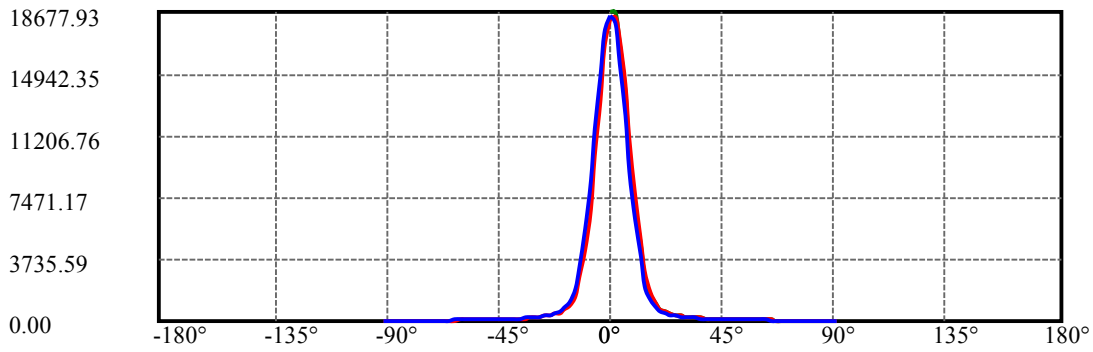
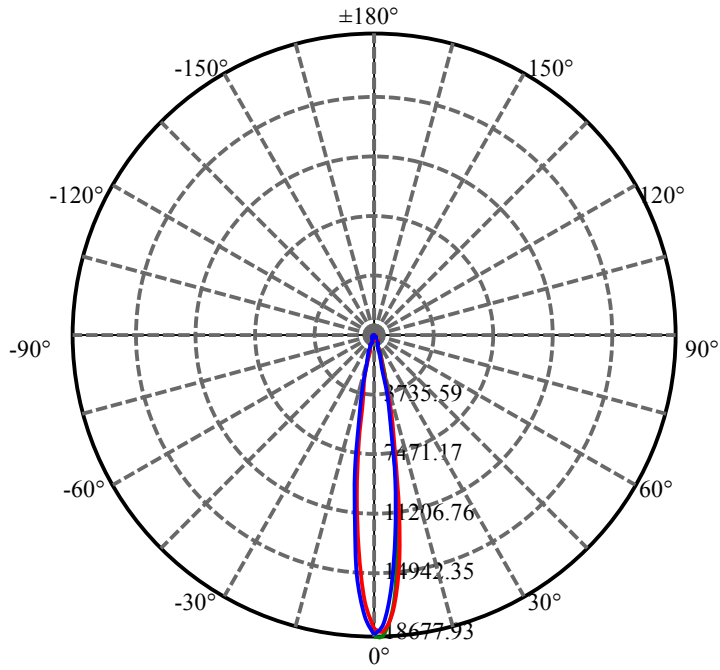
光束扩散角(10%Imax): [C0/180]Total=29.4

[C90/270]Total=28.8

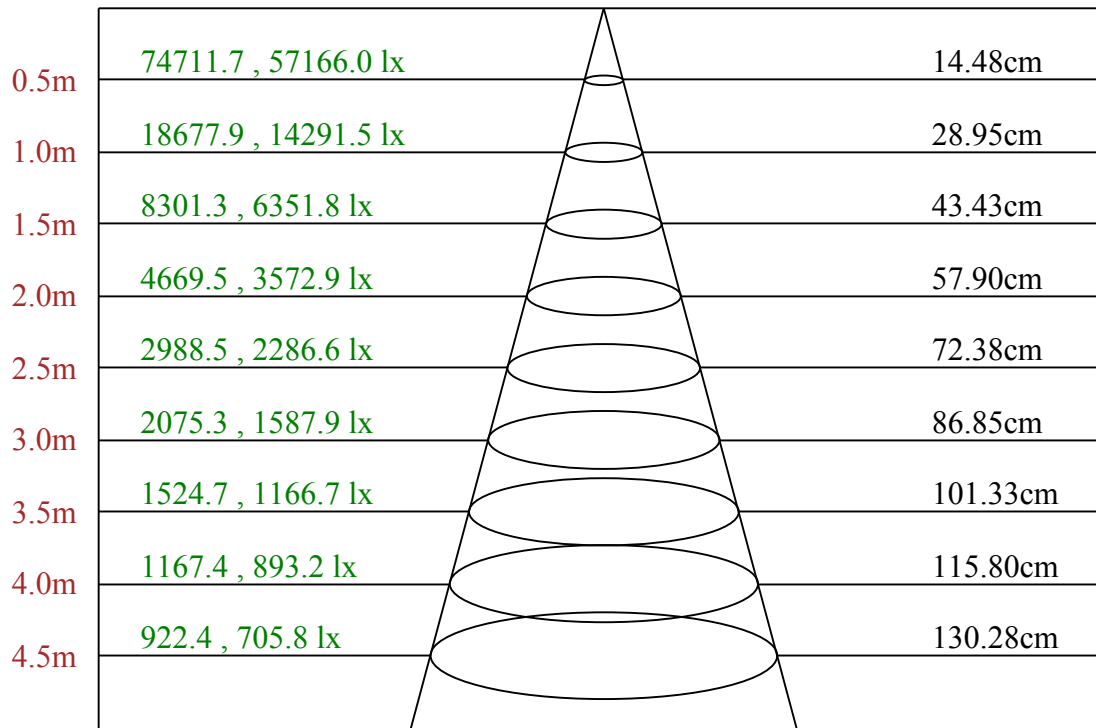
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/2/23
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

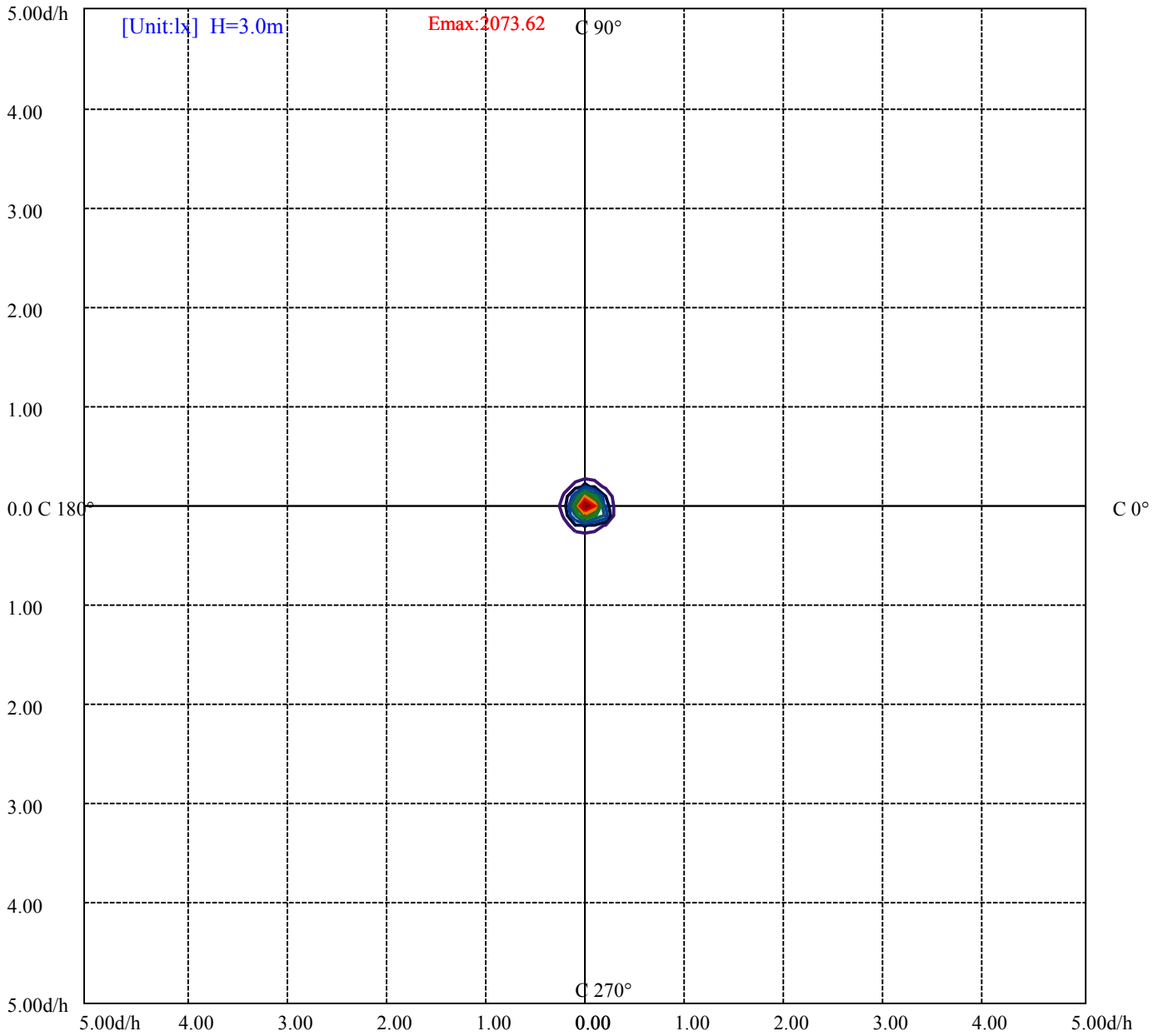


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角16.47

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平面等照度曲线



- (10%Emax) 207.3622
- (20%Emax) 414.7233
- (30%Emax) 622.0856
- (40%Emax) 829.4467
- (50%Emax) 1036.809
- (60%Emax) 1244.167
- (70%Emax) 1451.533
- (80%Emax) 1658.889
- (90%Emax) 1866.256

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灯具的亮度限制曲线(灯具无发光侧边)

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亮度值表

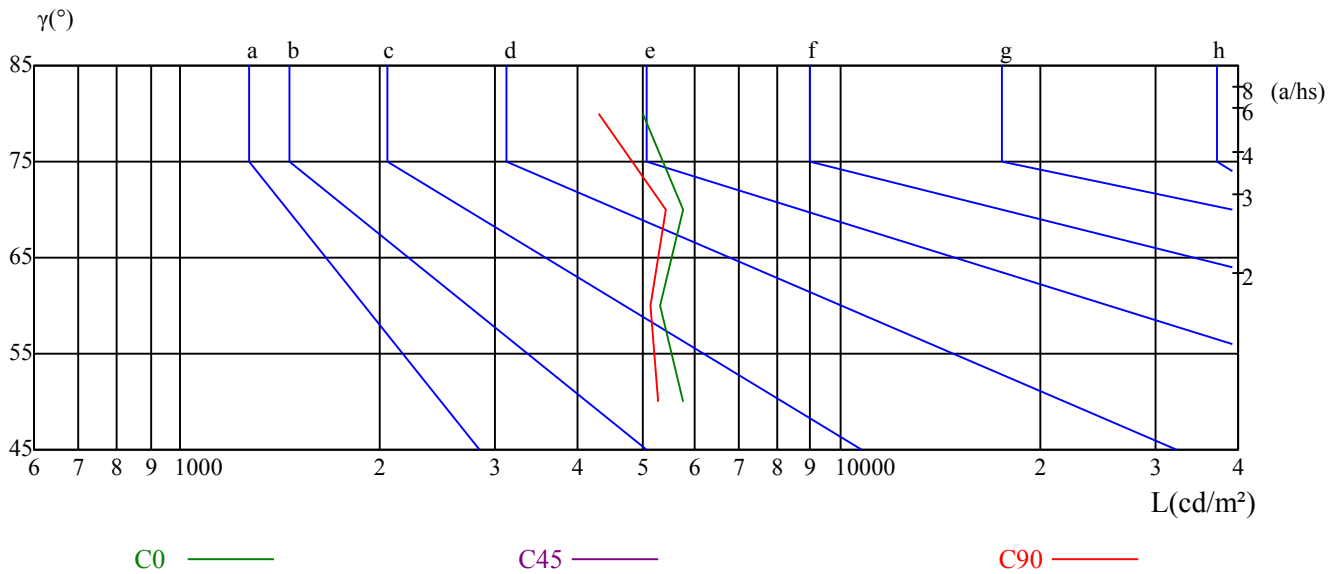
γ	45	50	55	60	65	70	75	80	85
C0	0	5754	0	5323	0	5762	0	5030	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5298	0	5165	0	5449	0	4285	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
156596	174918	0	109850	150524	0	49964	47196	0

眩光等级表

眩光等级	质量等级	使用照度(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

亮度限制曲线



测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/2/23
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

参照UGR的照射评估											
天花板反射率	70	70	50	50	30	70	70	50	50	30	
墙壁反射率	50	30	50	30	30	50	30	50	30	30	
地板反射率	20	20	20	20	20	20	20	20	20	20	
空间尺寸	Viewed crosswise					Viewed endwise					
X	Y										
2H	2H	9.99	11.02	10.36	11.33	11.65	10.05	11.08	10.41	11.39	11.70
	3H	12.21	13.12	12.59	13.45	13.82	12.26	13.17	12.64	13.50	13.87
	4H	13.01	13.86	13.42	14.21	14.60	13.06	13.90	13.46	14.26	14.65
	6H	13.50	14.28	13.92	14.65	15.05	13.55	14.33	13.97	14.71	15.10
	8H	13.61	14.34	14.05	14.74	15.15	13.67	14.40	14.11	14.80	15.20
	12H	13.71	14.40	14.14	14.79	15.22	13.77	14.47	14.21	14.85	15.28
4H	2H	10.67	11.52	11.08	11.87	12.26	10.71	11.56	11.12	11.91	12.30
	3H	13.13	13.83	13.55	14.24	14.64	13.17	13.87	13.59	14.28	14.68
	4H	14.08	14.71	14.52	15.13	15.58	14.11	14.73	14.55	15.16	15.60
	6H	14.58	15.11	15.05	15.56	16.04	14.61	15.14	15.08	15.59	16.07
	8H	14.73	15.22	15.20	15.67	16.15	14.76	15.26	15.23	15.71	16.18
	12H	14.82	15.25	15.31	15.73	16.21	14.85	15.28	15.35	15.77	16.25
8H	4H	14.43	14.93	14.90	15.38	15.85	14.45	14.95	14.92	15.40	15.87
	6H	15.07	15.47	15.58	15.97	16.45	15.09	15.48	15.60	15.98	16.47
	8H	15.28	15.63	15.81	16.15	16.65	15.30	15.65	15.83	16.17	16.66
	12H	15.83	16.13	16.35	16.62	17.20	15.85	16.15	16.37	16.65	17.23
12H	4H	14.43	14.86	14.92	15.35	15.83	14.45	14.88	14.94	15.37	15.85
	6H	15.42	15.46	15.65	15.93	16.48	15.43	15.48	15.66	15.95	16.50
	8H	15.37	15.67	15.89	16.16	16.74	15.38	15.68	15.90	16.18	16.76
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.7					0.3/-0.7					
S = 1.5H	0.7/-0.6					0.7/-0.6					
S = 2.0H	0.8/-0.7					0.8/-0.7					
标准表格	BKBF					BKBF					
更正系数	2.4					2.9					

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光强数据表(cd)

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C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	18194.48	18363.31	17058.77	14326.91	11034.87	7650.74	4926.55	3021.93	1793.36
30.0	18677.93	18570.50	16836.23	13927.87	10382.60	7105.90	4673.32	2768.69	1647.56
60.0	18647.24	18017.99	15178.70	12756.86	9477.86	6389.17	3961.96	2292.92	1404.14
90.0	18501.44	17895.21	15585.41	12439.16	9024.34	6108.31	3913.62	2121.03	1277.68
120.0	18401.68	17097.14	14454.29	11077.84	7739.75	5089.24	2968.21	1527.15	1004.57
150.0	18355.63	17097.14	14334.58	10912.09	7504.94	4903.53	2926.77	1635.28	1001.43
180.0	18194.48	16421.85	13361.55	9972.82	6729.89	4311.12	2623.66	1502.83	954.77
210.0	18677.93	17181.55	14415.16	10859.91	7561.72	4984.11	2969.75	1527.92	1070.26
240.0	18647.24	17503.85	14848.73	11648.77	8310.68	5440.70	3951.99	1932.25	1177.92
270.0	18501.44	17404.09	14880.96	11579.70	8504.83	5518.97	3251.37	1936.86	1139.25
300.0	18401.68	17918.23	15938.40	12838.20	9561.50	6591.76	3982.68	2347.40	1327.56
330.0	18355.63	18056.36	16352.78	13794.35	10241.40	9781.74	5997.04	13265.63	1430.54
360.0	18194.48	18363.31	17058.77	14326.91	11034.87	7650.74	4926.55	3021.93	1793.36
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1073.56	735.91	562.49	446.61	388.29	321.61	277.48	241.80	211.64
30.0	1035.96	720.57	548.67	445.85	388.29	320.23	277.02	243.26	215.25
60.0	913.71	656.80	516.60	420.14	354.60	303.50	263.90	233.36	208.11
90.0	841.04	612.37	480.38	396.73	333.96	284.85	247.94	217.40	192.15
120.0	705.76	534.78	433.11	358.13	302.58	261.45	228.60	202.43	179.18
150.0	689.87	527.95	416.69	349.92	296.97	258.84	226.38	200.05	178.49
180.0	657.03	510.54	413.92	349.92	300.27	259.76	227.22	196.76	173.73
210.0	743.66	561.49	452.60	374.79	320.30	275.87	243.10	215.40	190.23
240.0	785.79	593.18	469.63	389.06	331.51	286.08	248.86	221.00	196.29
270.0	782.42	585.43	464.11	386.76	327.44	281.78	243.18	214.25	189.16
300.0	864.83	626.95	495.72	402.11	338.03	291.14	251.32	220.01	193.84
330.0	911.41	652.58	509.46	410.16	342.79	290.45	252.70	222.16	196.45
360.0	1073.56	735.91	562.49	446.61	388.29	321.61	277.48	241.80	211.64
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	183.71	160.61	141.43	126.23	114.42	104.67	96.92	90.01	83.41
30.0	189.93	166.83	146.11	129.92	116.49	105.44	96.15	88.79	82.49
60.0	182.41	159.46	141.35	124.47	111.65	101.37	93.31	86.10	80.11
90.0	169.44	148.64	131.14	116.33	105.67	96.54	89.40	82.88	77.50
120.0	159.08	139.74	124.08	111.42	101.60	93.31	86.33	80.57	75.36
150.0	156.39	138.43	122.86	111.04	100.99	93.01	86.18	80.11	75.36
180.0	152.78	136.44	122.47	110.89	101.83	94.08	86.94	81.11	75.97
210.0	167.36	147.41	129.92	116.79	105.97	97.46	89.94	83.95	78.20
240.0	171.05	150.64	133.06	118.87	107.36	98.30	90.40	83.72	78.43
270.0	165.14	145.19	127.54	114.11	103.90	95.15	88.17	81.96	77.20
300.0	172.05	151.56	135.21	120.40	108.28	98.38	90.09	83.87	78.20
330.0	174.42	155.32	139.20	123.01	110.35	99.61	91.09	84.87	78.89
360.0	183.71	160.61	141.43	126.23	114.42	104.67	96.92	90.01	83.41
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	77.12	72.52	68.37	64.77	61.39	58.09	54.94	51.57	47.96
30.0	77.20	72.90	69.14	65.69	62.39	59.01	56.10	53.18	50.19
60.0	75.28	71.06	67.22	63.92	60.85	57.71	54.79	51.72	48.81
90.0	73.13	69.75	66.30	62.85	59.32	55.79	52.41	49.19	45.35
120.0	70.98	67.22	63.92	60.78	57.86	54.71	51.72	48.65	45.28
150.0	71.06	67.22	63.77	60.62	57.48	54.48	51.72	48.65	45.43
180.0	71.60	67.76	64.15	60.70	57.32	54.02	50.65	47.04	42.21
210.0	73.90	70.06	66.15	62.92	59.78	56.63	53.26	50.49	46.96
240.0	73.67	69.83	66.61	63.00	60.01	56.79	53.56	50.65	47.42
270.0	72.90	69.52	66.15	62.62	59.09	55.56	52.10	48.73	44.66
300.0	73.59	69.68	65.99	62.46	59.55	56.40	53.33	50.42	47.19
330.0	74.28	70.21	66.53	63.00	60.01	56.86	53.79	50.95	47.81
360.0	77.12	72.52	68.37	64.77	61.39	58.09	54.94	51.57	47.96

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光强数据表(cd)

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C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	43.74	38.22	32.08	26.55	21.26	15.81	11.13	5.37	0.69
30.0	46.96	43.28	37.22	29.77	23.40	17.19	11.66	4.76	0.54
60.0	45.51	41.36	35.30	27.78	21.49	15.88	10.05	3.68	0.38
90.0	40.90	34.22	28.62	23.02	18.11	13.05	8.13	3.30	0.31
120.0	41.90	37.29	30.39	23.94	18.11	12.58	6.60	1.69	0.31
150.0	41.44	34.92	26.17	19.88	14.20	9.36	4.68	0.77	0.23
180.0	35.99	30.23	24.63	19.49	14.20	9.13	3.99	0.38	0.15
210.0	42.97	37.14	29.47	23.25	17.73	11.66	5.29	0.69	0.23
240.0	43.43	38.91	31.92	24.94	18.88	13.05	6.60	1.92	0.23
270.0	39.75	32.92	27.17	21.64	16.35	11.74	6.60	1.76	0.31
300.0	43.66	39.83	34.30	26.86	20.80	15.19	9.52	3.61	0.38
330.0	44.66	40.75	35.15	27.70	22.02	16.04	10.51	4.45	0.61
360.0	43.74	38.22	32.08	26.55	21.26	15.81	11.13	5.37	0.69

C/γ(°)	90.0
0.0	0.23
30.0	0.23
60.0	0.08
90.0	0.15
120.0	0.15
150.0	0.08
180.0	0.15
210.0	0.15
240.0	0.08
270.0	0.08
300.0	0.15
330.0	0.23
360.0	0.23